Brief overview of Dr. Sriram's accomplishments and contributions:

Dr. Kotikalapudi Sriram holds B.Tech. (EE '77) and M.Tech. (EE '79) degrees from the Indian Institute of Technology in Kanpur, India, and a Ph.D. (EE) degree from Syracuse University, Syracuse, NY.

He is currently a senior research engineer in the Advanced Networking Technologies Division at the National Institute of Standards and Technology (NIST).

From 1983 to 2001, he held various positions at Bell Laboratories – the Innovations arm of Lucent Technologies and formerly that of AT&T. His titles at Bell Laboratories included Consulting Member of Technical Staff (approximately top 1% of all Bell Laboratories engineers in 2000) and Distinguished Member of Technical Staff (1989-2000).

His interests and responsibilities include performance modeling, network architecture, Internet routing protocol security, design of protocols and algorithms for multi-service broadband networks, wireless access networks, IP/ATM traffic controls, and hybrid fiber-coax networks. He is internationally known in the field of telecommunications networks for his early work on packetized voice and data networks. His work has had a major impact on the design and evolution of integrated voice and data networks. His patented inventions related to Quality of Service (QoS) management in integrated multi-service high-speed packet networks supporting diverse traffic types are highly regarded and ubiquitously used in commercial gigabit packet routers and Internet Protocol (IP) routers and Asynchronous Transfer Mode (ATM) switches, including those developed at Bell Laboratories. Sriram is also well known in broadband-cable data access technology for his pioneering contributions to the design and performance analysis of Medium Access Control (MAC) protocols for Hybrid Fiber-Coax (HFC) networks and cable modems. His inventions providing improved bandwidth efficiency and QoS in cable modems are ubiquitously used in tens of millions of cable modems for high-speed Internet access. He is a co-inventor on a patent related to QoS management for Voice over IP (VOIP) that was recognized by the MIT Technology Review Magazine as one of five Killer Patents, picked from over 150,000 patents granted in the U.S. in 2003. Dr. Sriram has published over fifty papers in various IEEE and other international journals and major conferences. He holds seventeen patents. He is a contributing author and a coeditor of **Cable Modems: Current Technologies and Applications**, published by the *IEEE Press* and the *International Engineering Consortium (IEC)*.

He is a Fellow of the IEEE.

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